

Science and Report Day 2026

Thursday, May 21, 2026

Institute of Chemistry

Hevesy György PhD School of Chemistry



ELTE
FACULTY OF
SCIENCE

Short program

- 9.00-10.00 Opening and Award Ceremonies (Richter Hall)
- 10.00-11.00 Report Day presentations in parallel sessions
- 11.00-11.20 Coffee break
- 11.20-12.20 Report Day presentations in parallel sessions
- 12.20-13.50 Lunch break (Harmónia Hall)
- 13.50-15.10 Report Day presentations in parallel sessions
- 15.00-15.30 Coffee break
- 15.10-16.00 Doctoral candidates' forum (Richter Hall)
- 15.30-17.30 Poster session (Harmónia Hall)
- 17.30 - Social event (Harmónia Hall)

Detailed Program

				Venue	
9.00-10.00	Opening Excellent lecturer of the Institute award TDK and OTDK Publication award Ibolya Perl award Challenge-based learning analytical chemistry student competition award Excellent scientist of the Institute award Excellent scientist's lecture			Richter	
10.00-11.00	Report day Lecture of prof. Johan Bobacka (Abo University) AMECE Zoltán Homonnay Győző Láng Zsuzsanna Eke Adrienn Simon (1) Ákos Lemle (1) Panna Emőke Farkas (1)	SOBC I Zoltán Novák Antal Csámpai Péter Kele Barnabás Zsignár-Nagy (3) Simon József Bodonyi (3) Zhining Xu (3) Ádám Borbély (1)	SOBC II Gábor Mező Zoltán Bánóczy Tibor Soós Boldizsár Boczán (3) Tibor Ákos Molnár (3) Viktor Zsolt Gaják (3) Ádám Kapdos (1)	TPSC Ágnes Szabados / László Túri György Tarczay Zoltán Rolik Chayma Bouchair (1) Gábor Ecseri (1) András Gombás (1) Ákos Galvács (3)	AMECE-348 SOBCI-Richter SOBCII-4.95 TPSC-3.67
11.00-11.20	Coffee break			6 th floor, by the „talking” elevators	
11.20-12.20	Report day Ibolya Perl award lecture (Roland Merza) AMECE Zoltán Homonnay Győző Láng Zsuzsanna Eke Fartima Shoeb (2) Zsolt Szakály (2)	SOBC I Zoltán Novák Antal Csámpai Péter Kele Eszter Csomay (2) Péter Szalai (2) Abdel Rahman Alkhalaileh (2)	SOBC II Gábor Mező Zoltán Bánóczy Tibor Soós Csaba Hegedűs (2) Kevin Zsolt Simon (2) <i>Borbála Dömölki (2)- confidential</i>	TPSC Ágnes Szabados György Tarczay Zoltán Rolik Bence Balázs Mészáros (3) Gergely Laczkó (3) Marlene Bosquez (3)	AMECE-348 SOBCI-Richter SOBCII-4.95 TPSC-3.67
12.20-13.50	Lunch break			Harmónia (floor -1)	
13.50-15.10	Report day Lecture of prof. Tahmer Sharkawi (University of Montpellier) CBL comp. award lecture AMECE Zoltán Homonnay Győző Láng Zsuzsanna Eke Veronika Szentirmai (1) Saeed Omer (1) Eszter Fehérvári (3)	SOBC I Zoltán Novák Antal Csámpai Péter Kele Daniella Dörgő (2) Vannara Soem (1) Zsófia Pluhár (1) László Balázs Závoczki (1)	SOBC II Gábor Mező Zoltán Bánóczy Tibor Soós Péter Zoltán Janzsó-Berend (2) Léa Sophie Le Meur (2) Attila Richárd Herczegh (1) Zsombor Unyi (1)	Lecture of prof. Tahmer Sharkawi (University of Montpellier)	AMECE & TPSC-348 SOBCI-Richter SOBCII-4.95
15.00-15.30	Coffee break			6 th floor, by the „talking” elevators	
15.10-16.00	Doctoral candidates' forum			Richter	
15.30-17.30	Poster session			Harmónia (floor -1)	
17.30-	Social event			Harmónia (floor -1)	

Contribution titles

Abdel Rahman Alkhalaileh

Design and Functional Evaluation of Aromatic-Modified Linear Cell-Penetrating Peptides for Enhanced Cellular Delivery

Ádám Borbély

Synthesis of Exotic Alkyne Bonding Systems and Investigation of Their Reactivity

Ádám Kapdos

Investigation of transition metal catalyzed reactions

Ádám Nonn

Development of molecular quantum mechanics beyond the non-relativistic and clamped nuclei approximations

Adrienn Simon

Building a microelectrode array based sensing device for interfacial pH changes during electrode processes

Ákos Galvács

Examination of Charge and Energy Transfer Reactions Using Quantum Dynamical Methods in Simple and Complex Systems

Ákos Lemle

High resolution ion mobility-tandem mass spectrometry and the application of atmospheric ionization methods for the analysis of bioactive compounds

András Gombás

Quantum chemical method development for correlation calculations, localized orbitals and coarse-grain modeling of molecular electron density

Attila Richárd Herczegh

Design and production of new alkene-based building blocks

Barnabás Zsignár-Nagy

(Anti)aromatic molecular semiconductors and switches

Bence Balázs Mészáros

Accelerating Coupled Cluster Molecular Dynamics

Boldizsár Boczán

Design and synthesis of activatable tetrazines

Borbála Dömölki

Synthesis and application of a new carbon-efficient biofuel. A multidisciplinary approach

Chayma Bouchair

Properties of Scalable Solid-State Qubits Near Interfaces

Csaba Hegedűs

Analysis of Interaction Patterns in Protein Self-Assembly Using Crystallographic and Molecular Modelling Methods

Daniella Dörgő

Mechanistic study of the reactions of reactive sulfur species and redox-active thiol proteins

Eszter Csomay

Synthetic Routes to C-2 Branched Sugars: Challenges and Opportunities

Eszter Fehérvári

Analysis of post-translational modifications of proteins by ion mobility mass spectrometry

Fatima Shoeb

Pattern Formation in Hydrogen-Ion Autocatalytic Reaction-Diffusion-Advection Systems

Gábor András Ecseri

Quantum mechanical computation of rate coefficients

Gergely Laczkó

Computational Study of Enantioselective Organocatalytic Transformations

Johan Bobacka

Solid-contact ion-selective electrodes – from high stability to high sensitivity

Kevin Zsolt Simon

Mechanisms of aggregation of amyloidogenic proteins and investigation of amyloid structures experimentally and by molecular modeling

László Balázs Závoczki

Functional Amphiphilic Conetworks Based on Poly(methacrylic acid)

Léa Sophie Virginie Le Meur

Dual Stimuli Responsive Drug Delivery Systems under Red Light

Marlene Bosquez Fuentes

Ground and electronically excited states of simple van der Waals dimers

Panna Emőke Farkas

Dynamics of Oscillatory and Pattern-Forming Chemical Systems

Péter Zoltán Janzsó-Berend

Synthesis of Novel Nitrogen-Containing Bicyclic Compounds with P2X7 Antagonist Activity

Péter Szalai

Electrochemical Synthesis of Pharmaceutically Important Building Blocks

Reda Moukaouine

Simulation of quantum emitters in molecular crystals and solid-state systems

Roland Merza

Isolation and Structural Elucidation of Secondary Metabolites from the Plum Bracket Fungus (*Phellinus pomaceus*)

Saeed Omer

Electroplated Materials for Microrobotic Applications

Simon József Bodonyi

Synthesis of Molecules with an interest for Pharmaceutical Chemistry

Tahmer Sharkawi

Insights into Structure–Function Relationships of Polymers for Therapeutic Applications

Tibor Ákos Molnár

Design, synthesis and application of xanthenium-based photolabile compounds

Vannara Soem

Synthesis of a New Cell-Penetrating Peptide and Its Conjugate

Veronika Szentirmai

Silica-Based Fluorescent Reference Particles for Extracellular Vesicle Analysis by Flow Cytometry

Viktor Zsolt Gaják

Development of an enzyme panel for the synthesis of non-natural nucleosides

Zhining Xu

Organic electrosynthesis as a sustainable modern approach for the synthesis and functionalization of heterocycles in medicinal chemistry and materials science

Zsófia Pluhár

Poly(2-acrylamido-2-methyl-1-propane sulfonic acid) Containing Networks, Hydrogels and Copolymers: Synthesis and Properties

Zsolt Szakály

Study of electrode processes with an emphasis on the role of transport

Zsombor Unyi

Reactivity switch – externally activatable electrophiles for applications in chemical biology



A TUDOMÁNYOS ÉS BESZÁMOLÓ
NAP KÖTETLEN LEZÁRÁSA



Esti fogadás

KVÍZ, ZENE, KARAOKE



Május 21. | 17:30-tól

Harmónia terem



MINDEN KEDVES ÉRDEKLŐDŐT
SZERETETTEL VÁRUNK!